# GV-MFD220 2MP H.264 Mini Fixed Dome

- 2 Megapixel Progressive Scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Day and night function (electronic)
- Built-in microphone
- Memory card slot
- Active Tampering alarm
- Wide Dynamic Range (WDR)
- Defog
- Motion detection
- Privacy mask
- IP address filtering
- iPhone, iPad, Android
- PoE (Power over Ethernet)
- Megapixel lens
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF conformant

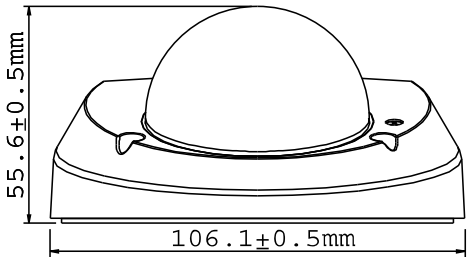
* No Memory card slot & local storage function for Argentina.

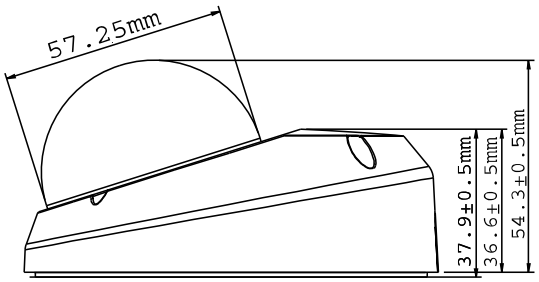
## Active Tampering Alarm

Tampered

Focus Change

Camera Shift



## SPECIFICATIONS

| | | |
|---|---|---|
| **Camera** | | |
| Image Sensor | | 1/2.5" progressive scan CMOS |
| Picture Elements | | 1920 (H) x 1080 (V) |
| Minimum Illumination | Color | 0.5 Lux at F/2.8 |
| Shutter Speed | | Automatic, Manual (1/5 ~ 1/8000 sec) |
| White Balance | | Automatic, Manual (2800K ~ 8500K) |
| **Lens** | | |
| Megapixel | | Yes |
| Day/Night | | Yes (electronic) |
| Iris | | Fixed |
| Focal Length | | 2.54 mm |
| Maximum Aperture | | F/2.8 |
| Mount | | M12, Pitch 0.5 mm |
| Image Format | | 1/2.5" |
| Operation | Focus | No |
| | Zoom | No |
| | Iris | Fixed |
| **Operation** | | |
| Video Compression | | H.264, MJPEG |
| Video Stream | | Dual streams from H.264 and MJPEG |
| Frame Rate | | 30 fps at 1920 x 1080<br>* The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). |
| Image Setting | | Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, WDR Defog |
| Audio Compression | | G.711, AAC (16 kHz / 16 bit)<br>* AAC is only supported by GV-System V8.5 or later |
| Sensor Input | | No |
| Alarm Output | | No |
| **Video Resolution** | | |
| Main Stream | 4:3 | 1600 x 1200, 1280 x 960, 640 x 480, 320 x 240 |
| | 16:9 | 1920 x 1080, 1280 x 720, 640 x 360, 448 x 252 |
| | 5:4 | 1280 x 1024, 640 x 512, 320 x 256 |
| Sub Stream | 4:3 | 640 x 480, 320 x 240 |
| | 16:9 | 640 x 360, 448 x 252 |
| | 5:4 | 640 x 512, 320 x 256 |
| **Network** | | |
| Interface | | 10/100 Ethernet |
| Ethernet Protocol | | HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF |
| **Mechanical** | | |
| Lens Mounting | | M12, Pitch 0.5 mm |
| Temperature Detector | | Yes |
| Camera Angle Adjustment | Pan | -45° ~45° |
| | Tilt | 0° ~ 90° |
| Connectors | Power | 3-pin terminal block, PoE |
| | Ethernet | Ethernet (10/100 Base-T), RJ-45 |
| | Audio | Built-in microphone |
| | Digital I/O | No |
| | Auto Iris | No |
| | Local Storage | Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above) |
| | TV-Out | No |
| LED Indicator | | 4 LEDs: Link, ACT, Power, Status |

| | | |
|---|---|---|
| **General** | | |
| Environment Temperature | | 0 °C ~ 50 °C / 32 °F ~ 122 °F |
| Humidity | | 10% to 90% (no condensation) |
| Power Source | | 12V DC, PoE (IEEE802.3af) |
| Max. Power Consumption | | 5.5 W |
| Dimensions | Camera Body | ø 106 x 55.6 mm / 4.2 x 2.2 in |
| | Cable Length | 1 m / 3.28 ft |
| | Cable Diameter | ø 8 mm / 0.31 in |
| | Maximum Connector Diameter | ø 28.5 mm / 1.12 in |
| Weight | | 280 g / 0.62 lb |
| Regulatory | | CE, FCC, C-Tick, RoHS compliant |
| **Power over Ethernet** | | |
| PoE Standard | | IEEE 802.3af Power over Ethernet / PSE |
| PoE Power Supply Type | | End-Span |
| PoE Power Output | | Per Port 48V DC, 350mA. Max. 15.4 watts |
| **Web Interface** | | |
| Installation Management | | Web-based configuration |
| Maintenance | | Firmware upgrade through Web Browser or Utility |
| Access from Web Browser | | Camera live view, video recording, change video quality, bandwidth control, image snapshot, Wide Angle Lens Dewarping, audio, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay |
| Language | | Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish |
| **Applications** | | |
| Network Storage | | GV-NVR, GV-System, GV-Backup Center, GV-Recording Server |
| Smart Device Access | | - GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch- GV-Eye HD for iPad |
| Live Viewing | | IE , GV-MultiView |
| CMS Server support | | GV-Control Center, GV-Center V2, GV-VSM |

**Note:** Specifications are subject to change without notice.